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APPLICATION NO.	FILING	DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/700,039	11/03/2003		George P. Klonis	15827-026001	3397
26231	7590	11/02/2005	•	EXAMINER	
FISH & RIC		P.C.		KWON,	ЛОНИ
P.O. BOX 1022 MINNEAPOLIS, MN 55440-1022			ı	ART UNIT	PAPER NUMBER
				3747	

DATE MAILED: 11/02/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
	10/700,039	KLONIS ET AL.
Office Action Summary	Examiner	Art Unit
	John T. Kwon	3747
The MAILING DATE of this communication ap Period for Reply	pears on the cover sheet with the	correspondence address
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING DESTRICTION OF THE MAILING DESTRICTION OF THE MAILING DESTRICTION OF THE MODEL OF THE	DATE OF THIS COMMUNICATIO .136(a). In no event, however, may a reply be til d will apply and will expire SIX (6) MONTHS from te, cause the application to become ABANDONE ing date of this communication, even if timely file	N. mely filed the mailing date of this communication. ED (35 U.S.C. § 133).
2a)⊠ This action is FINAL . 2b)□ Thi	is action is non-final.	
3) Since this application is in condition for allowa	ance except for formal matters, pro	osecution as to the merits is
closed in accordance with the practice under	Ex parte Quayle, 1935 C.D. 11, 4	53 O.G. 213.
Disposition of Claims		
 4) Claim(s) 29-35 and 37-48 is/are pending in the 4a) Of the above claim(s) is/are withdrases 5) Claim(s) is/are allowed. 6) Claim(s) 29-35 and 37-48 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or 	awn from consideration.	
Application Papers		
9) The specification is objected to by the Examin 10) The drawing(s) filed on is/are: a) acceptable and applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Examin	cepted or b) objected to by the drawing(s) be held in abeyance. Se ction is required if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority documents. Copies of the certified copies of the priority documents application from the International Bureat * See the attached detailed Office action for a list	nts have been received. Its have been received in Applicationity documents have been received au (PCT Rule 17.2(a)).	ion No ed in this National Stage
Attachment(s) Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08 Paper No(s)/Mail Date 9/9/05.	4) Interview Summary Paper No(s)/Mail Do 5) Notice of Informal F 6) Other:	

DETAILED ACTION

Claim Rejections - 35 USC § 112

Claims 45 and 46 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. The limitation of interchangeable of the body is considered to be a new matter.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 29-35 and 37-44, 48 are rejected under 35 U.S.C. 102(b) as being anticipated by Heintzelman (US 4 123 998). Heintzelman discloses a main combustion chamber for receiving a dilute combustion mixture (30) and an auxiliary combustion cavity (28) at least a portion of the dilute combustion mixture from the main combustion chamber through an open end of the auxiliary combustion cavity such that substantially all of the combustion mixture in the auxiliary combustion cavity is the dilute combustion mixture received from the main combustion chamber, the auxiliary combustion cavity being disposed outside of the main combustion chamber, igniting the dilute combustion mixture in the auxiliary combustion cavity with an ignition source

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in the auxiliary combustion cavities the auxiliary combustion cavity sized to substantially protect the ignition source from fluid movement within the combustion chamber and cause at least a portion of the dilute combustion mixture adjacent the ignition source to be substantially quiescent; and igniting at least a portion of the dilute combustion mixture in the main combustion chamber with the ignited dilute combustion mixture from the auxiliary combustion cavity.

Claims 29-35 and 37-44, 48 are rejected under 35 U.S.C. 102(b) as being anticipated by Goto (US 6 209 511).

Claims 29-35 and 37-44, 48 are rejected under 35 U.S.C. 102(b) as being anticipated by Fisher (US 2 646 782).

Claims 29-35 and 37-44, 48 are rejected under 35 U.S.C. 102(b) as being anticipated by Meyer (US 1 956 805).

Response to Arguments

Applicant's arguments filed September 9, 2005 have been fully considered but they are not persuasive. The issue in this application is whether the sized to create at least a portion of the dilute combustion mixture adjacent the ignition source to be substantially quiescent. Since the instant invention does not distinguish over the cited prior art references structurally as well as functionally, such limitation would be inherent.

Conclusion

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THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to John T. Kwon whose telephone number is (571) 272-4846. The examiner can normally be reached on M-Th.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Henry Yuen can be reached on (571) 272-4856. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

John T. Kwon
Primary Examiner
Art Unit 3747

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October 29, 2005